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(71) Applicant (for AL, AM, AT, AZ, BA, BG, BR, BY, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GE, HR, HU, ID, IS, JP, KG, KP, KR, KZ, LR, LT, LU, LV, MA, MD, MG, MK, MX, MZ, NI, NO, PH, PL, PT, RO, RU, SE, SK, TJ, TM, TN, TR, UA, UZ, VN, YU, BE, FR, GR, IT, MC, NL, SI, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG only): **UNILEVER N.V.** [NL/NL]; Weena 455, NL-3013 AL Rotterdam (NL).

(71) Applicant (for AE, AG, AU, BB, BZ, CA, GB, GD, GH, GM, IL, KE, LC, LK, LS, MN, MW, NZ, OM, PG, SC, SD, SG, SL, TT, TZ, UG, VC, ZA, ZM, ZW, SZ, CY, IE only): **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London, Greater London EC4 4BQ (GB).

(71) Applicant (for IN only): **HINDUSTAN LEVER LIMITED** [IN/IN]; Hindustan Lever House, 165/166 Backbay Reclamation, Maharashtra, 400 020 Mumbai (IN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CORNWELL,**

**Paul, Alfred** [GB/GB]; Unilever R & D Port Sunlight, Quarry Road East, Bebington, Wirral, Merseyside CH63 3JW (GB). **ELLIS, Frances, Ann** [GB/GB]; 20 East Orchard Lane, Aintree, Liverpool, Merseyside L9 9EQ (GB). **SKINNER, Richard** [GB/GB]; Unilever R & D Port Sunlight, Quarry Road East, Bebington, Wirral, Merseyside CH63 3JW (GB). **WOOD, Ian, G** [GB/GB]; Unilever R & D Port Sunlight, Quarry Road East, Bebington, Wirral, Merseyside CH63 3JW (GB).

(74) Agent: **TANSLEY, Sally, Elizabeth**; Unilever PLC, Patent Department, Colworth House, Sharnbrook, Bedford MK44 1LQ (GB).

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(54) Title: HAIR TREATMENT COMPOSITIONS COMPRISING HYDROXY COMPOUNDS

(57) Abstract: The invention provides a hair treatment composition such as a shampoo or conditioner suitable for topical application to hair for the repair and prevention of damage comprising a hydroxy compound having the following parameters: i) electrotopological state indice of OH S<sub>s</sub>OH<9.26 (ii) multigraph information content indice BIC>0.8 (iii) electrotopological state indice of CH<sub>3</sub> S<sub>s</sub>CH<sub>3</sub><6.26 and (iv) a molecular weight greater than 90 wherein the composition does not dye the hair. Preferred hydroxy compounds are 2-methyl-2-hexanol, 2-methyl-2-heptanol, 2-methyl-3-heptanol, 2-methyl-2-pentanol, 2-methyl-3-hexanol, 3-methyl-2-pentanol, 2-methyl-1-pentanol.

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